

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	19860	oligosaccharide\$1 or lacto-n-neotetraose or LNnT or polylectosamine	US-PGPUB; USPAT	ADJ	OFF	2005/12/13 10:28
L2	3993	1 near8 (synthes\$8 or produc\$8)	US-PGPUB; USPAT	ADJ	OFF	2005/12/13 10:28
L3	676	2 same (coli or bacter\$ or microb\$10 or microorganism\$)	US-PGPUB; USPAT	ADJ	OFF	2005/12/13 10:28
(L4)	28	3 same vivo	US-PGPUB; USPAT	ADJ	OFF	2005/12/13 10:29
L5	2782	1 near3 (synthes\$8 or produc\$8)	US-PGPUB; USPAT	ADJ	OFF	2005/12/13 10:33
L6	159	5 near5 (coli or bacter\$ or microb\$10 or microorganism\$)	US-PGPUB; USPAT	ADJ	OFF	2005/12/13 10:33
(L7)	32	6 and (glycosyltransferase\$1 or glycosyl transferase\$1)	US-PGPUB; USPAT	ADJ	OFF	2005/12/13 10:34

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:40:18 ON 13 DEC 2005

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 10:40:27 ON 13 DEC 2005
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s oligosaccharide# or lacto n neotetraose or LNnT or polylactosamine

FILE 'MEDLINE'

25554 OLIGOSACCHARIDE#

828 LACTO

777775 N

113 NEOTETRAOSE

109 LACTO N NEOTETRAOSE

(LACTO (W) N (W) NEOTETRAOSE)

18 LNNT

188 POLYLACTOSAMINE

L1 25668 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMI
NE

FILE 'SCISEARCH'

28112 OLIGOSACCHARIDE#

710 LACTO

1221509 N

115 NEOTETRAOSE

108 LACTO N NEOTETRAOSE

(LACTO (W) N (W) NEOTETRAOSE)

19 LNNT

197 POLYLACTOSAMINE

L2 28256 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMI
NE

FILE 'LIFESCI'

6533 OLIGOSACCHARIDE#

200 "LACTO"

226748 "N"

47 "NEOTETRAOSE"

47 LACTO N NEOTETRAOSE

("LACTO" (W) "N" (W) "NEOTETRAOSE")

7 LNNT

42 POLYLACTOSAMINE

L3 6584 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMI
NE

FILE 'BIOTECHDS'

3369 OLIGOSACCHARIDE#

64 LACTO

47162 N

14 NEOTETRAOSE

13 LACTO N NEOTETRAOSE

(LACTO (W) N (W) NEOTETRAOSE)

5 LNNT

6 POLYLACTOSAMINE

L4 3378 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMI
NE

FILE 'BIOSIS'

- 23949 OLIGOSACCHARIDE#
- 2977 LACTO
- 897188 N
- 107 NEOTETRAOSE
- 104 LACTO N NEOTETRAOSE
- (LACTO (W) N (W) NEOTETRAOSE)
- 18 LNNT
- 192 POLYLACTOSAMINE
- L5 24128 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMINE

FILE 'EMBASE'

- 18499 OLIGOSACCHARIDE#
- 744 "LACTO"
- 726458 "N"
- 106 "NEOTETRAOSE"
- 99 LACTO N NEOTETRAOSE
- ("LACTO" (W) "N" (W) "NEOTETRAOSE")
- 16 LNNT
- 163 POLYLACTOSAMINE
- L6 18636 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMINE

FILE 'HCAPLUS'

- 50780 OLIGOSACCHARIDE#
- 1377 LACTO
- 2863240 N
- 187 NEOTETRAOSE
- 181 LACTO N NEOTETRAOSE
- (LACTO (W) N (W) NEOTETRAOSE)
- 35 LNNT
- 214 POLYLACTOSAMINE
- L7 50950 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMINE

FILE 'NTIS'

- 158 OLIGOSACCHARIDE#
- 5 LACTO
- 69771 N
- 1 NEOTETRAOSE
- 1 LACTO N NEOTETRAOSE
- (LACTO (W) N (W) NEOTETRAOSE)
- 0 LNNT
- 1 POLYLACTOSAMINE
- L8 160 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMINE

FILE 'ESBIOBASE'

- 8233 OLIGOSACCHARIDE#
- 249 LACTO
- 323782 N
- 67 NEOTETRAOSE
- 64 LACTO N NEOTETRAOSE
- (LACTO (W) N (W) NEOTETRAOSE)
- 13 LNNT
- 100 POLYLACTOSAMINE
- L9 8329 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMINE

FILE 'BIOTECHNO'

- 9517 OLIGOSACCHARIDE#
- 275 LACTO
- 184936 N

53 NEOTETRAOSE
 52 LACTO N NEOTETRAOSE
 (LACTO (W) N (W) NEOTETRAOSE)
 8 LNNT
 113 POLYLACTOSAMINE
 L10 9603 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMINE

FILE 'WPIDS'

6429 OLIGOSACCHARIDE#
 433 LACTO
 693472 N
 16 NEOTETRAOSE
 14 LACTO N NEOTETRAOSE
 (LACTO (W) N (W) NEOTETRAOSE)
 12 LNNT
 15 POLYLACTOSAMINE
 L11 6440 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMINE

TOTAL FOR ALL FILES

L12 182132 OLIGOSACCHARIDE# OR LACTO N NEOTETRAOSE OR LNNT OR POLYLACTOSAMINE

=> s 112(5a) (synthes? or produc?)

FILE 'MEDLINE'

494539 SYNTHES?
 1272964 PRODUC?
 L13 1910 L1 (5A) (SYNTHES? OR PRODUC?)

FILE 'SCISEARCH'

885099 SYNTHES?
 1786284 PRODUC?
 L14 3323 L2 (5A) (SYNTHES? OR PRODUC?)

FILE 'LIFESCI'

140412 SYNTHES?
 508490 PRODUC?
 L15 801 L3 (5A) (SYNTHES? OR PRODUC?)

FILE 'BIOTECHDS'

33061 SYNTHES?
 219209 PRODUC?
 L16 1228 L4 (5A) (SYNTHES? OR PRODUC?)

FILE 'BIOSIS'

642146 SYNTHES?
 1688896 PRODUC?
 L17 2952 L5 (5A) (SYNTHES? OR PRODUC?)

FILE 'EMBASE'

604186 SYNTHES?
 1217164 PRODUC?
 L18 1827 L6 (5A) (SYNTHES? OR PRODUC?)

FILE 'HCAPLUS'

1495608 SYNTHES?
 4165398 PRODUC?
 910781 PRODN
 4606890 PRODUC?
 (PRODUC? OR PRODN)
 L19 7233 L7 (5A) (SYNTHES? OR PRODUC?)

FILE 'NTIS'

```

    42468 SYNTHES?
    368558 PRODUC?
L20      21 L8 (5A) (SYNTHES? OR PRODUC?)

FILE 'ESBIOBASE'
    192325 SYNTHES?
    567140 PRODUC?
L21      1088 L9 (5A) (SYNTHES? OR PRODUC?)

FILE 'BIOTECHNO'
    170699 SYNTHES?
    394590 PRODUC?
L22      1016 L10 (5A) (SYNTHES? OR PRODUC?)

FILE 'WPIDS'
    128894 SYNTHES?
    2303402 PRODUC?
L23      834 L11 (5A) (SYNTHES? OR PRODUC?)

TOTAL FOR ALL FILES
L24      22233 L12 (5A) (SYNTHES? OR PRODUC?)

=> s l24(5a) (coli or bacter? or microb? or microorganism?)
FILE 'MEDLINE'
    246390 COLI
    714406 BACTER?
    517749 MICROB?
    33307 MICROORGANISM?
L25      48 L13 (5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

FILE 'SCISEARCH'
    224739 COLI
    364716 BACTER?
    135132 MICROB?
    43728 MICROORGANISM?
L26      74 L14 (5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

FILE 'LIFESCI'
    97473 COLI
    191480 BACTER?
    53216 MICROB?
    39264 MICROORGANISM?
L27      34 L15 (5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

FILE 'BIOTECHDS'
    45164 COLI
    121175 BACTER?
    20443 MICROB?
    26333 MICROORGANISM?
L28      72 L16 (5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

FILE 'BIOSIS'
    273212 COLI
    1327549 BACTER?
    458814 MICROB?
    2672675 MICROORGANISM?
L29      74 L17 (5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

FILE 'EMBASE'
    175309 COLI
    476255 BACTER?
    91456 MICROB?
    126849 MICROORGANISM?
L30      46 L18 (5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

```

FILE 'HCAPLUS'
263522 COLI
578309 BACTER?
411791 MICROB?
151897 MICROORGANISM?
L31 193 L19(5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

FILE 'NTIS'
2804 COLI
18677 BACTER?
12747 MICROB?
9066 MICROORGANISM?
L32 1 L20(5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

FILE 'ESBIOBASE'
67275 COLI
190629 BACTER?
246900 MICROB?
20098 MICROORGANISM?
L33 43 L21(5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

FILE 'BIOTECHNO'
94549 COLI
191870 BACTER?
38419 MICROB?
18193 MICROORGANISM?
L34 36 L22(5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

FILE 'WPIDS'
18627 COLI
107185 BACTER?
47868 MICROB?
48948 MICROORGANISM?
L35 48 L23(5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

TOTAL FOR ALL FILES
L36 669 L24(5A) (COLI OR BACTER? OR MICROB? OR MICROORGANISM?)

=> s l36 not 2001-2005/py
FILE 'MEDLINE'
2789957 2001-2005/PY
L37 36 L25 NOT 2001-2005/PY

FILE 'SCISEARCH'
5231884 2001-2005/PY
(20010000-20059999/PY)
L38 47 L26 NOT 2001-2005/PY

FILE 'LIFESCI'
505761 2001-2005/PY
L39 25 L27 NOT 2001-2005/PY

FILE 'BIOTECHDS'
118258 2001-2005/PY
L40 46 L28 NOT 2001-2005/PY

FILE 'BIOSIS'
2556250 2001-2005/PY
L41 47 L29 NOT 2001-2005/PY

FILE 'EMBASE'
2399336 2001-2005/PY
L42 35 L30 NOT 2001-2005/PY

FILE 'HCAPLUS'
5267476 2001-2005/PY
L43 118 L31 NOT 2001-2005/PY

FILE 'NTIS'
78543 2001-2005/PY
L44 1 L32 NOT 2001-2005/PY

FILE 'ESBIOBASE'
1465569 2001-2005/PY
L45 25 L33 NOT 2001-2005/PY

FILE 'BIOTECHNO'
368875 2001-2005/PY
L46 28 L34 NOT 2001-2005/PY

FILE 'WPIDS'
4631284 2001-2005/PY
L47 31 L35 NOT 2001-2005/PY

TOTAL FOR ALL FILES
L48 439 L36 NOT 2001-2005/PY

=> dup rem l48
PROCESSING COMPLETED FOR L48
L49 205 DUP REM L48 (234 DUPLICATES REMOVED)

=> d 1-50

L49 ANSWER 1 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI A new chitosanase producing microbe, Burkholderia gladioli for
manufacturing chitosan oligosaccharide;
Production of chitosan oligosaccharide by Burkholderia gladioli sp.
CHB101
AN 2000-06955 BIOTECHDS
PI JP 2000041664 15 Feb 2000

L49 ANSWER 2 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Role of oligosaccharides in microbial glycoproteins and synthetic methods
of neoglycoproteins
SO Nippon Nogei Kagaku Kaishi (2000), 74(11), 1237-1246
CODEN: NNKKAA; ISSN: 0002-1407
AU Takegawa, Kaoru
AN 2000:810811 HCAPLUS
DN 133:331223

L49 ANSWER 3 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
TI **Production** of heterologous **oligosaccharides** by
recombinant **bacteria** (recombinant oligosaccharides)
SO Carbohydrates in Chemistry and Biology (2000), Volume 2, 845-860.
Editor(s): Ernst, Beat; Hart, Gerald W.; Sinay, Pierre. Publisher:
Wiley-VCH Verlag GmbH, Weinheim, Germany.
CODEN: 69AMJE
AU Geremia, Roberto A.; Samain, Eric
AN 2000:717510 HCAPLUS
DN 134:85146

L49 ANSWER 4 OF 205 MEDLINE on STN DUPLICATE 2
TI Large-scale **production** of **oligosaccharides** using
engineered **bacteria**.
SO Current opinion in structural biology, (2000 Oct) 10 (5) 536-41. Ref: 50
Journal code: 9107784. ISSN: 0959-440X.
AU Endo T; Koizumi S

AN 2000502273 MEDLINE

L49 ANSWER 5 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
 TI A novel approach to the recovery of biologically active oligosaccharides
 from milk using a combination of enzymatic treatment and nanofiltration;
 combined lipase and nanofiltration of human defatted milk for
production of oligosaccharide with anti-Escherichia
coli activity
 SO Biotechnol.Bioeng.; (2000) 69, 4, 461-67
 CODEN: BIBIAU ISSN: 0006-3592
 AU Sarney D B; Hale C; Frankel G; *Vulfson E N
 AN 2000-10620 BIOTECHDS

L49 ANSWER 6 OF 205 MEDLINE on STN DUPLICATE 3
 TI **Microbial production of oligosaccharides**: a
 review.
 SO Advances in applied microbiology, (2000) 47 299-343. Ref: 115
 Journal code: 0370413. ISSN: 0065-2164.
 AU Prapulla S G; Subhaprada V; Karanth N G
 AN 2003345491 MEDLINE

L49 ANSWER 7 OF 205 MEDLINE on STN DUPLICATE 4
 TI Large-scale **production** of CMP-NeuAc and sialylated
oligosaccharides through **bacterial** coupling.
 SO Applied microbiology and biotechnology, (2000 Mar) 53 (3) 257-61.
 Journal code: 8406612. ISSN: 0175-7598.
 AU Endo T; Koizumi S; Tabata K; Ozaki A
 AN 2000233416 MEDLINE

L49 ANSWER 8 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
 TI Synthesis of a di- and trisaccharide related to the repeating unit of E.
 coli O128 lipopolysaccharide
 SO Journal of Carbohydrate Chemistry (2000), 19(2), 243-251
 CODEN: JCACDM; ISSN: 0732-8303
 AU Sengupta, Prabal; Basu, Sumanta; Chatterjee, Bishnu P.
 AN 2000:228023 HCAPLUS
 DN 133:30898

L49 ANSWER 9 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
 TI Solid-phase **synthesis** of a **bacterial**
oligosaccharide antigen.
 SO Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United
 States, August 20-24, 2000 (2000) ORGN-216
 CODEN: 69FZC3
 AU Seeberger, Peter H.; Melean, Luis G.; Haase, Wilm C.
 AN 2000:796718 HCAPLUS

L49 ANSWER 10 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
 TI Large-scale production of GDP-fucose and Lewis X by bacterial coupling
 SO Journal of Industrial Microbiology & Biotechnology (2000), 25(4), 213-217
 CODEN: JIMBFL; ISSN: 1367-5435
 AU Koizumi, S.; Endo, T.; Tabata, K.; Nagano, H.; Ohnishi, J.; Ozaki, A.
 AN 2001:59943 HCAPLUS
 DN 134:236268

L49 ANSWER 11 OF 205 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation
 on STN DUPLICATE 5
 TI Uronic acid-containing oligosaccharins: Their biosynthesis, degradation
 and signalling roles in non-diseased plant tissues
 SO PLANT PHYSIOLOGY AND BIOCHEMISTRY, (JAN-FEB 2000) Vol. 38, No. 1-2, pp.
 125-140.
 ISSN: 0981-9428.
 AU Dumville J C; Fry S C (Reprint)
 AN 2000:283091 SCISEARCH

L49 ANSWER 12 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
 TI Effect on gout flora of oligosaccharide synthesizing enzymes
 SO Shoka to Kyushu (2000), 23(2), 107-109
 CODEN: SHKYEZ; ISSN: 0389-3626
 AU Kariya, Kinya; Ogawa, Tomonari; Jo, Takashi
 AN 2001:384881 HCAPLUS
 DN 135:150320

L49 ANSWER 13 OF 205 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation
 on STN DUPLICATE 6
 TI Effect of oligosaccharides and fibre substitutes on short-chain fatty acid
 production by human faecal microflora
 SO ANAEROBE, (APR 2000) Vol. 6, No. 2, pp. 87-92.
 ISSN: 1075-9964.
 AU Velazquez M; Davies C; Marett R; Slavin J L; Feirtag J M (Reprint)
 AN 2000:339021 SCISEARCH

L49 ANSWER 14 OF 205 LIFESCI COPYRIGHT 2005 CSA on STN DUPLICATE 7
 TI Functional analysis of chimeras derived from the Sinorhizobium meliloti
 and Mesorhizobium loti nodC genes identifies regions controlling chitin
 oligosaccharide chain length
 SO Molecular and General Genetics [Mol. Gen. Genet.], (20000905) vol. 264,
 no. 1/2, pp. 75-81.
 ISSN: 0026-8925.
 AU Kamst, E.; Breek, C.K.; Spaink, H.P.
 AN 2001:17471 LIFESCI

L49 ANSWER 15 OF 205 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation
 on STN
 TI Solid-phase **synthesis** of a **bacterial**
oligosaccharide antigen.
 SO ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, (20 AUG 2000) Vol.
 220, Part 2, pp. U66-U66. MA 216-ORGN.
 ISSN: 0065-7727.
 AU Seeberger P H (Reprint); Melean L G; Haase W C
 AN 2001:131060 SCISEARCH

L49 ANSWER 16 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
 TI Study on fructo-**oligosaccharide production** by
microbial enzymatic reaction
 SO Shipin Kexue (Beijing) (2000), 21(6), 31-35
 CODEN: SPKHD5; ISSN: 1002-6630
 AU Cao, Xia; Zhang, Wei; Wang, Yingfeng; Yang, Xiushan
 AN 2000:467331 HCAPLUS
 DN 133:149512

L49 ANSWER 17 OF 205 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
 STN
 TI Solid-phase **synthesis** of a **bacterial**
oligosaccharide antigen.
 SO Abstracts of Papers American Chemical Society, (2000) Vol. 220, No. Part
 2, pp. ORGN 216. print.
 Meeting Info.: 220th National Meeting of the American Chemical Society.
 Washington, DC, Washington DC, USA. August 20-24, 2000. American Chemical
 Society.
 CODEN: ACSRAL. ISSN: 0065-7727.
 AU Seeberger, Peter H. [Reprint author]; Melean, Luis G. [Reprint author];
 Haase, Wilm C. [Reprint author]
 AN 2000:440809 BIOSIS

L49 ANSWER 18 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
 TI A process for preparation of 6-kestose oligosaccharides;
 by Acetobacter polysaccharogenes or Gluconobacter albidus activity on

sucrose

AN 1999-06786 BIOTECHDS
PI JP 11046785 23 Feb 1999

L49 ANSWER 19 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Cloning, expression and characterization of a UDP-galactose 4-epimerase
from *Escherichia coli*;
plasmid pET15b-galE expression in **bacterium** for enzyme
production and application in alpha-Gal
oligosaccharide production for xenotransplantation support
SO Biotechnol.Lett.; (1999) 21, 12, 1131-35
CODEN: BILED3 ISSN: 0141-5492
AU Chen X; Kowal P; Hamad S; Fan H; *Wang P G
AN 2000-02215 BIOTECHDS

L49 ANSWER 20 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Beta-galactooligosaccharide synthesis with beta-galactosidase from
Sulfolobus solfataricus, *Aspergillus oryzae*, and *Escherichia coli*;
oligosaccharide production using thermostable and non-thermostable
enzyme
SO Enzyme Microb.Technol.; (1999) 25, 6, 509-16
CODEN: EMTED2 ISSN: 0141-0229
AU Reuter S; Nygaard A R; *Zimmermann W
AN 1999-12884 BIOTECHDS

L49 ANSWER 21 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Synthesis of alpha-galacto-oligosaccharides by a cloned
alpha-galactosidase from *Bifidobacterium adolescentis*;
galacto-**oligosaccharide** probiotic **production** using
transformed *Escherichia coli*
SO Biotechnol.Lett.; (1999) 21, 5, 441-45
CODEN: BILED3 ISSN: 0141-5492
AU van den Broek L A M; Ton J; Verdoes J C; van Laere K M J; *Voragen A G J;
Beldman G
AN 1999-10111 BIOTECHDS

L49 ANSWER 22 OF 205 MEDLINE on STN DUPLICATE 8
TI **Microbial production** of inulo-**oligosaccharides**
by an endoinulinase from *Pseudomonas* sp. expressed in *Escherichia coli*.
SO J Biosci Bioeng, (1999) 87 (3) 291-5.
Journal code: 100888800. ISSN: 1389-1723.
AU Yun J W; Choi Y J; Song C H; Song S K
AN 2005556787 MEDLINE

L49 ANSWER 23 OF 205 MEDLINE on STN DUPLICATE 9
TI Oligosaccharide recognition signals and defence reactions in marine
plant-microbe interactions.
SO Current opinion in microbiology, (1999 Jun) 2 (3) 276-83. Ref: 64
Journal code: 9815056. ISSN: 1369-5274.
AU Potin P; Bouarab K; Kupper F; Kloareg B
AN 1999316463 MEDLINE

L49 ANSWER 24 OF 205 MEDLINE on STN DUPLICATE 10
TI Electron beam fragmentation of **bacterial** polysaccharides as a
method of **producing oligosaccharides** for the
preparation of conjugate vaccines.
SO FEMS microbiology letters, (1999 May 15) 174 (2) 255-63.
Journal code: 7705721. ISSN: 0378-1097.
AU Pawlowski A; Svenson S B
AN 1999271175 MEDLINE

L49 ANSWER 25 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Isolation of endophytes from plants in Southeast Asia and Japan, and their
identification by 18S rRNA gene

SO Biotechnology for Sustainable Utilization of Biological Resources in the Tropics (1999), 13, 227-232
CODEN: BSUTFT

AU Tanaka, Michiko; Sukiman, Harmastini; Takebayashi, Miho; Saito, Katsuichi; Suto, Manabu; Prana, Titik K.; Prana, Made Sri; Tomita, Fusao

AN 2000:309091 HCAPLUS

DN 133:234880

L49 ANSWER 26 OF 205 MEDLINE on STN DUPLICATE 11

TI The living factory: in vivo production of N-acetyllactosamine containing carbohydrates in E. coli.

SO Glycoconjugate journal, (1999 Mar) 16 (3) 205-12.
Journal code: 8603310. ISSN: 0282-0080.

AU Bettler E; Samain E; Chazalet V; Bosso C; Heyraud A; Joziassé D H; Wakarchuk W W; Imberty A; Geremia A R

AN 2000062031 MEDLINE

L49 ANSWER 27 OF 205 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN DUPLICATE 12

TI Functional domains in the chitin oligosaccharide synthase NodC and related beta-polysaccharide synthases

SO TRENDS IN GLYCOSCIENCE AND GLYCOTECHNOLOGY, (JUL 1999) Vol. 11, No. 60, pp. 187-199.
ISSN: 0915-7352.

AU Kamst E (Reprint); Spaink P H

AN 1999:787324 SCISEARCH

L49 ANSWER 28 OF 205 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN DUPLICATE 13

TI Chemical synthesis of N-acetylglucosamine derivatives and their use as glycosyl accepters by the Mesorhizobium loti chitin oligosaccharide synthase NodC

SO CARBOHYDRATE RESEARCH, (15 OCT 1999) Vol. 321, No. 3-4, pp. 176-189.
ISSN: 0008-6215.

AU Kamst E; Zegelaar-Jaarsveld K; van der Marel G A; van Boom J H; Lugtenberg B J J; Spaink H P (Reprint)

AN 1999:941201 SCISEARCH

L49 ANSWER 29 OF 205 LIFESCI COPYRIGHT 2005 CSA on STN DUPLICATE 14

TI Synthesis of inner core antigens related to Chlamydia, Pseudomonas and Acinetobacter LPS

SO Journal of Endotoxin Research [J. Endotoxin Res.], (19990000) vol. 5, no. 3, pp. 157-163.
ISSN: 0968-0519.

AU Kosma, P.; Reiter, A.; Zamyatina, A.; Wimmer, N.; Glueck, A.; Brade, H.

AN 2000:15260 LIFESCI

L49 ANSWER 30 OF 205 MEDLINE on STN DUPLICATE 15

TI **Synthesis of oligosaccharides by bacterial enzymes.**

SO Glycoconjugate journal, (1999 Feb) 16 (2) 141-6. Ref: 54
Journal code: 8603310. ISSN: 0282-0080.

AU Johnson K F

AN 2000077660 MEDLINE

L49 ANSWER 31 OF 205 MEDLINE on STN DUPLICATE 16

TI Enzymatic **synthesis** of Kdn **oligosaccharides** by a **bacterial** alpha-(2-->6)-sialyltransferase.

SO Carbohydrate research, (1999 Jan 31) 315 (1-2) 137-41.
Journal code: 0043535. ISSN: 0008-6215.

AU Kajihara Y; Akai S; Nakagawa T; Sato R; Ebata T; Kodama H; Sato K

AN 1999313754 MEDLINE

L49 ANSWER 32 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Isolation of chitinolytic bacteria from the viscera of korean bony fishes and optimization of the enzyme production
SO Journal of Fisheries Science and Technology (1999), 2(1), 105-111
CODEN: JFITFY; ISSN: 1226-9204
AU Lee, Jung-Suck; Joo, Dong-Sik; Cho, Soon-Yeong; Cho, Man-Gi; Lee, Eung-Ho
AN 1999:731614 HCAPLUS
DN 132:90444

L49 ANSWER 33 OF 205 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN DUPLICATE 17

TI **Production** of inulo-**oligosaccharides** from inulin by recombinant E-**coli** containing endoinulinase activity
SO BIOPROCESS ENGINEERING, (AUG 1999) Vol. 21, No. 2, pp. 101-106.
ISSN: 0178-515X.
AU Yun J W (Reprint); Song C H; Choi J W; Choi Y J; Song S K
AN 1999:629397 SCISEARCH

L49 ANSWER 34 OF 205 MEDLINE on STN DUPLICATE 18
TI Function of chitin oligosaccharides in plant and animal development.
SO EXS, (1999) 87 71-83. Ref: 59
Journal code: 9204529. ISSN: 1023-294X.
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AN 2000391648 MEDLINE

L49 ANSWER 35 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Problems and strategies of **oligosaccharide synthesis** using **microbial** enzymes
SO Shipin Yu Fajiao Gongye (1999), 25(4), 41-47
CODEN: SPYYDO; ISSN: 0253-990X
AU Cao, Jinsong; Wang, Xiaoqin; Peng, Zhiying
AN 1999:715896 HCAPLUS
DN 132:264230

L49 ANSWER 36 OF 205 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Production of O-acetylated and sulfated chitooligosaccharides by recombinant Escherichia coli strains harboring different combinations of nod genes.
SO Journal of Biotechnology, (June 11, 1999) Vol. 72, No. 1-2, pp. 33-47. print.
CODEN: JBITD4. ISSN: 0168-1656.
AU Samain, Eric [Reprint author]; Chazalet, Valerie; Geremia, Roberto A.
AN 1999:349692 BIOSIS

L49 ANSWER 37 OF 205 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN DUPLICATE 19
TI Analysis and characterisation of cyclodextrins and their inclusion complexes by affinity capillary electrophoresis
SO JOURNAL OF CHROMATOGRAPHY A, (19 MAR 1999) Vol. 836, No. 1, pp. 3-14. ISSN: 0021-9673.
AU Larsen K L; Zimmermann W (Reprint)
AN 1999:250031 SCISEARCH

L49 ANSWER 38 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Expressing high levels of glycosyltransferases; recombinant enzyme production via vector-mediated glycosyltransferase gene transfer and expression in Escherichia coli for therapeutic **oligosaccharide production**
AU Wakarchuk W W; Young N M
AN 1999-02440 BIOTECHDS
PI WO 9854331 3 Dec 1998

L49 ANSWER 39 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Gene encoding a beta-galactoside-alpha-2,6-sialyltransferase of bacterial

origin;

Photobacterium damsela recombinant enzyme production by vector
expression in Escherichia coli for use in sialylated
oligosaccharide production

AU Yamamoto T; Nakashizuka M; Terada I
AN 1998-10644 BIOTECHDS
PI WO 9838315 3 Sep 1998

L49 ANSWER 40 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Preparation of fructosyl-containing oligosaccharides and products
therefrom for bifidobacterium-nourishing medium
SO U.S., 7 pp., Cont. of U.S. Ser. No. 282,807, abandoned.
CODEN: USXXAM
IN Whistler, Roy L.; Bemiller, James N.
AN 1998:799690 HCAPLUS
DN 130:35374
PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 5843922 A 19981201 US 1996-662201 19960611

L49 ANSWER 41 OF 205 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Preparation of **microbial** galactosidase for the
production of galacto-oligosaccharides
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
IN Fujimoto, Hiroshi; Ajisaka, Katsumi
AN 1998:497937 HCAPLUS
DN 129:119599
PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 10201472 A2 19980804 JP 1997-25774 19970127

L49 ANSWER 42 OF 205 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
TI Use of anti-endotoxin synthetic peptides and anti-endotoxin antibodies -
for the prophylaxis and treatment of endotoxemia and septic shock and
other conditions associated with lipopolysaccharide..
PI EP 842666 A2 19980520 (199824)* EN 5 A61K039-40
R: AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO
SE SI
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IN PORRO, M

L49 ANSWER 43 OF 205 MEDLINE on STN DUPLICATE 20
TI Use of Escherichia coli polyphosphate kinase for
oligosaccharide synthesis.
SO Bioscience, biotechnology, and biochemistry, (1998 Aug) 62 (8) 1594-6.
Journal code: 9205717. ISSN: 0916-8451.
AU Noguchi T; Shiba T
AN 1998430132 MEDLINE

L49 ANSWER 44 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Use of Escherichia coli polyphosphate-kinase for
oligosaccharide synthesis;
recombinant enzyme production and purification via vector plasmid
pTrc-PPK-mediated ppk gene transfer and expression in bacterium
SO Biosci.Biotechnol.Biochem.; (1998) 62, 8, 1594-96
CODEN: BBBIEJ ISSN: 0916-8451
AU Hoguchi T; Shiba T
AN 1999-12277 BIOTECHDS

L49 ANSWER 45 OF 205 MEDLINE on STN DUPLICATE 21
TI Large-scale production of UDP-galactose and globotriose by coupling
metabolically engineered bacteria.
SO Nature biotechnology, (1998 Sep) 16 (9) 847-50.

Journal code: 9604648. ISSN: 1087-0156.

AU Koizumi S; Endo T; Tabata K; Ozaki A
AN 1998414050 MEDLINE

L49 ANSWER 46 OF 205 MEDLINE on STN DUPLICATE 22
TI Isolation and structural analyses of positional isomers of
6(1),6m-di-O-alpha-D-mannopyranosyl-cyclomaltooctaose (m = 2-5) and
6-O-alpha-(n-O-alpha-D-mannopyranosyl)-alpha-D-mannopyranosyl-
cyclomaltooctaose (n = 2, 3, 4, and 6).
SO Carbohydrate research, (1998 Aug) 310 (4) 229-38.
Journal code: 0043535. ISSN: 0008-6215.
AU Okada Y; Matsuda K; Koizumi K; Hamayasu K; Hashimoto H; Kitahata S
AN 1999038702 MEDLINE

L49 ANSWER 47 OF 205 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI New heat stable xylanase and related nucleic acid and vectors;
thermostable endo-1,4-beta-D-xylanase expression from new vector in
microorganism for use in xylose, xylo-**oligosaccharide**
production, pulp bleaching, feedstuff treatment, etc.
AU Perez S; Breton C; Debeire P
AN 1997-07295 BIOTECHDS
PI WO 9714803 24 Apr 1997

L49 ANSWER 48 OF 205 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
TI New beta-galactosidase - is originated from Bacillus microbe and
hydrolyses beta 1-3 galactoside bond produces key oligosaccharide at low
cost.
PI JP 09313177 A 19971209 (199808)* 12 C12N009-38

L49 ANSWER 49 OF 205 MEDLINE on STN DUPLICATE 23
TI Chitin oligosaccharides can induce cortical cell division in roots of
Vicia sativa when delivered by ballistic microtargeting.
SO Development (Cambridge, England), (1997 Dec) 124 (23) 4887-95.
Journal code: 8701744. ISSN: 0950-1991.
AU Schlaman H R; Gisela A A; Quaadvlieg N E; Bloemberg G V; Lugtenberg B J;
Kijne J W; Potrykus I; Spaik H P; Sautter C
AN 1998088701 MEDLINE

L49 ANSWER 50 OF 205 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation
on STN DUPLICATE 24
TI Honeydew sugars and osmoregulation in the pea aphid Acyrthosiphon pisum
SO JOURNAL OF EXPERIMENTAL BIOLOGY, (AUG 1997) Vol. 200, No. 15, pp.
2137-2143.
ISSN: 0022-0949.
AU Wilkinson T L (Reprint); Ashford D A; Pritchard J; Douglas A E
AN 1997:587016 SCISEARCH

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